



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF MINES, MINERALS AND ENERGY
DIVISION OF MINED LAND RECLAMATION
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PA#:

Name:

AML SITE EVALUATION MATRIX

Site Name:

Complaint No.:

County:

Date:

Location:

Quadrangle:

Site Parameter (see back page)	Parameter Scoring X	Relative Weighting	Final Score
1. Human life, health and safety	X	25	
2. Proximity to residential/public area	X	17	
3. Visitation to site	X	8	
4. Economic impact	X	10	
5. Current land use	X	7	
6. Economic development potential	X	3	
7. Erosion	X	7	
8. Surface instability	X	6	
9. Vegetative cover	X	5	
10. Water quality	X	4	
11. Air quality	X	2	
12. Biota	X	1	
13. Life span of corrected conditions	X	2	
14. Adverse impacts from reclamation	X	2	
15. Site acreage	X	1	
Total Score:			
Priority Rating:			

Comments:

Site Parameter Guidelines

1. **Human Life, Health and Safety** - Does the AML problem threaten human life, health and safety? A Priority One should always be severe adverse impact.
2. **Proximity to Residential/Public Area** - This means the distance to any private or public property access.
3. **Visitation to Site** - The frequency of public visitation in the area of the problem.
4. **Economic Impact** - The economic impact on the local community or individual as a result of the AML problem.
5. **Current Land Use** - The present use of the area that contains the AML problem.
6. **Economic Development Potential** - Does the site provide an opportunity for economic development, either public or private?
7. **Erosion** - Rills are small, but well defined channels only a few inches deep and easily obliterated by harrowing or other surface treatments. Gullies are too large to be repaired with conventional tillage equipment and usually require heavy equipment and special techniques for stabilization.
8. **Surface Instability** - Includes landslides, subsidence, vertical openings, highwalls, and deep mine face-ups.
9. **Vegetative Cover** - Includes trees and shrubs.
10. **Water Quality** - Includes stream channels, sedimentation and underground mining discharges defined as per the "Southwest Virginia 208 Plan":
 - Hot** - seriously degraded streams;
 - Marginal** - streams with borderline water quality; and
 - Cold** - streams with acceptable water quality.
11. **Air Quality** - The adverse effects to air quality caused by the AML problem.
12. **Biota** - The effects of the AML problem on plants and animals.
13. **Life Span of Corrected Conditions** - How long the reclaimed conditions of the AML problem may be expected to last.
14. **Adverse Impacts from Reclamation** - Problems which may be created or worsened by construction activity (e.g., noise from equipment, dust, sedimentation problems, etc.).
15. **Site Acreage** - Size of the area that contains the AML problem.